

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 00056 on page 14 of the clean copy of the substitute specification submitted June 18, 2007, with the following:

FIG. 6. shows an illustrative ~~[[a]]~~ cross sectional view of ~~through~~ a tube-shaped polymer energy absorber according to an embodiment having two polymer layers.

Please replace paragraph 00057 on page 14 of the clean copy of the substitute specification submitted June 18, 2007, with the following:

FIG. 7 shows an illustrative ~~[[a]]~~ cross sectional view of ~~through~~ a tube-shaped polymer energy absorber according to an embodiment having a metal inlay.

Please replace paragraph 00058 on page 14 of the clean copy of the substitute specification submitted June 18, 2007, with the following:

FIG. 8 shows an illustrative ~~[[a]]~~ cross sectional view of ~~through~~ a tube-shaped polymer energy absorber according to an embodiment having a textile reinforcement.

Please replace paragraphs 00059 and 00060 on page 15 of the clean copy of the substitute specification submitted June 18, 2007, with the following:

FIG. 9a shows an illustrative ~~[[a]]~~ longitudinal section through a tube-shaped polymer energy absorber according to an embodiment of the invention, prior to a crash situation.

FIG. 9b shows an illustrative ~~[[a]]~~ longitudinal section through the tube-shaped polymer energy absorber of FIG. 9a, following a crash situation.

Please replace paragraph 00061 on page 15 of the clean copy of the substitute specification submitted June 18, 2007, with the following:

FIG. 9c shows an illustrative ~~[[a]]~~ cross sectional view of ~~through~~ the tube-shaped polymer energy absorber of FIGS. 9a and 9b showing its condition after a crash.

Please replace paragraph 00066 on pages 16-17 of the clean copy of the substitute specification submitted June 18, 2007, with the following:

Figures 3a-d show different geometric forms for the chip-removing elements 2b, including semi-circular (Figure 3a), rectangular (Figure 3b), triangular (Figure 3c), and polygonal (Figure 3d), for removing chips from the external surface of a polymer energy absorber 3. Figures 3e-h show corresponding chip-removing elements 2b for the chip removal on the internal surface of the polymer energy absorber 3 (see FIGS. 9a, 9b, 9c). FIG. 9c shows an illustrative cross-sectional view of the energy absorber 3 depicting the surface removal effected by, for example, eight internally disposed chip-removing elements 2b according to an exemplary embodiment. FIG. 9c shows cross sections 6i-p for the tracks followed by the chip-removing elements 2b as a result of the force effect due to a crash. The length of the chip-removing elements 2b is determined in both cases, meaning for the internal and/or external arrangement, by the geometric form of the chip-removing elements and the material depth Δd which can be adjusted, so that in the event of a crash and given a removal angle of 45-90° for the chip-removing elements 2b the absorption of the crash energy is ensured depending on the selected tube wall thickness for the polymer energy absorber.